

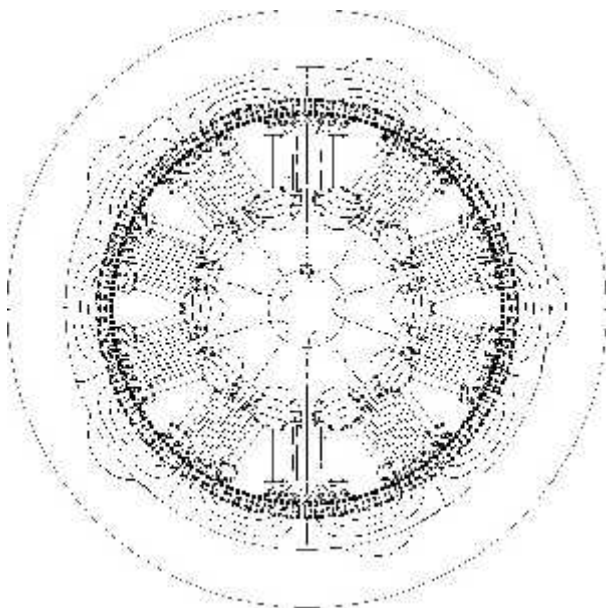
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 : **1.** , ,
 , 1989. – 175 . **2.** , ,
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 2002. – 160 . **3.** ,
 : // , 1997. .23-25.

621.313

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[1].



. 1.

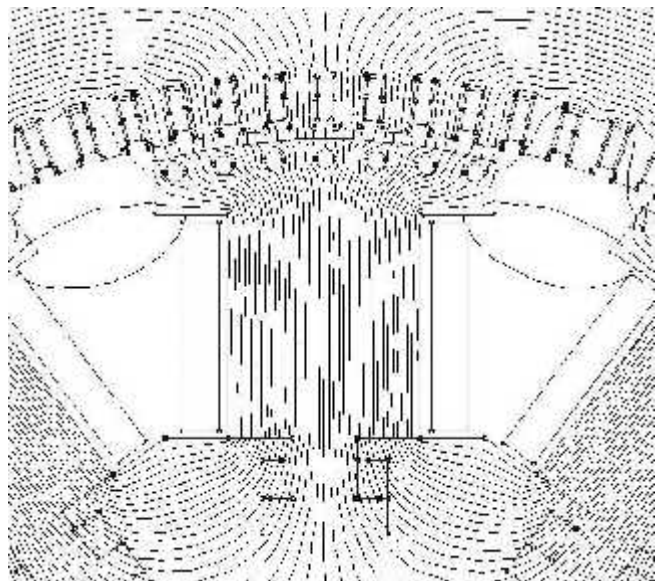
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 ,
 ()
 ()

:
 $S_N=750$,
 $n_r=600$ / ,
 $U_N=6,3$.

: $d_s=1150$ 17- $d_{se}=1430$,
 $l_s=290$. 2312 0,5 .
 $Q_s=108$.
 $\delta=6,9$, $\delta_{max}=10,3$.
 25 , .
 dxf V10
 FEMM [3].
 :

$$\nabla \times \left[\frac{1}{\mu(B)} \nabla \times (\vec{k} A_z) \right] = \vec{k} J_z ,$$

A_z, J_z —
 () ; \vec{k} — ; μ —
 ,
 (2312 3
 3 — 3 ,
).
 [1].



,
 : $F_o = N_E I_o$, $N_E = 52$ —
 ; $I_o = 207,8$ A

.2.

FEMM
 DualCore 2,0
 (

Intel
 4 .
) .1 .2.

: $A_{max}=0,12653$ / .

(.3).

[1].

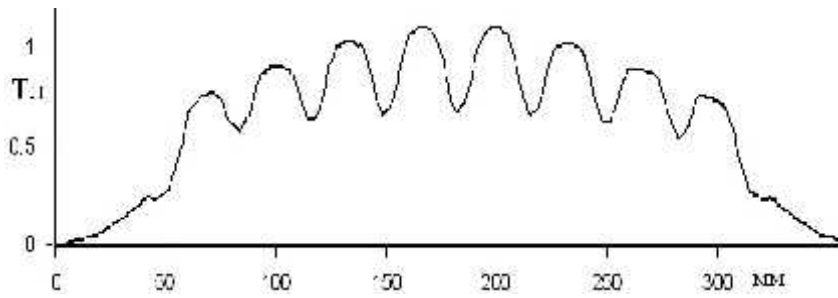
[1]

[2].

$$[1]: \quad =5,58 \cdot 10^{-2} \quad . \\ =5,23 \cdot 10^{-2} \quad .$$

[1]

$$B_p=1,69 \quad , \quad - \quad t_s=1,56 \quad [2] \quad t_s=1,65 \quad B_p=1,78 \quad .$$



. 3.

5%,

: 1.

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832 . 3. Meeker D. Finite Element Method Magnetics., January 26, 2004 // <http://femm.berlios.de>.

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[2],

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